

# Sonoma County Hazard Mitigation Plan

**Figure 8.2**

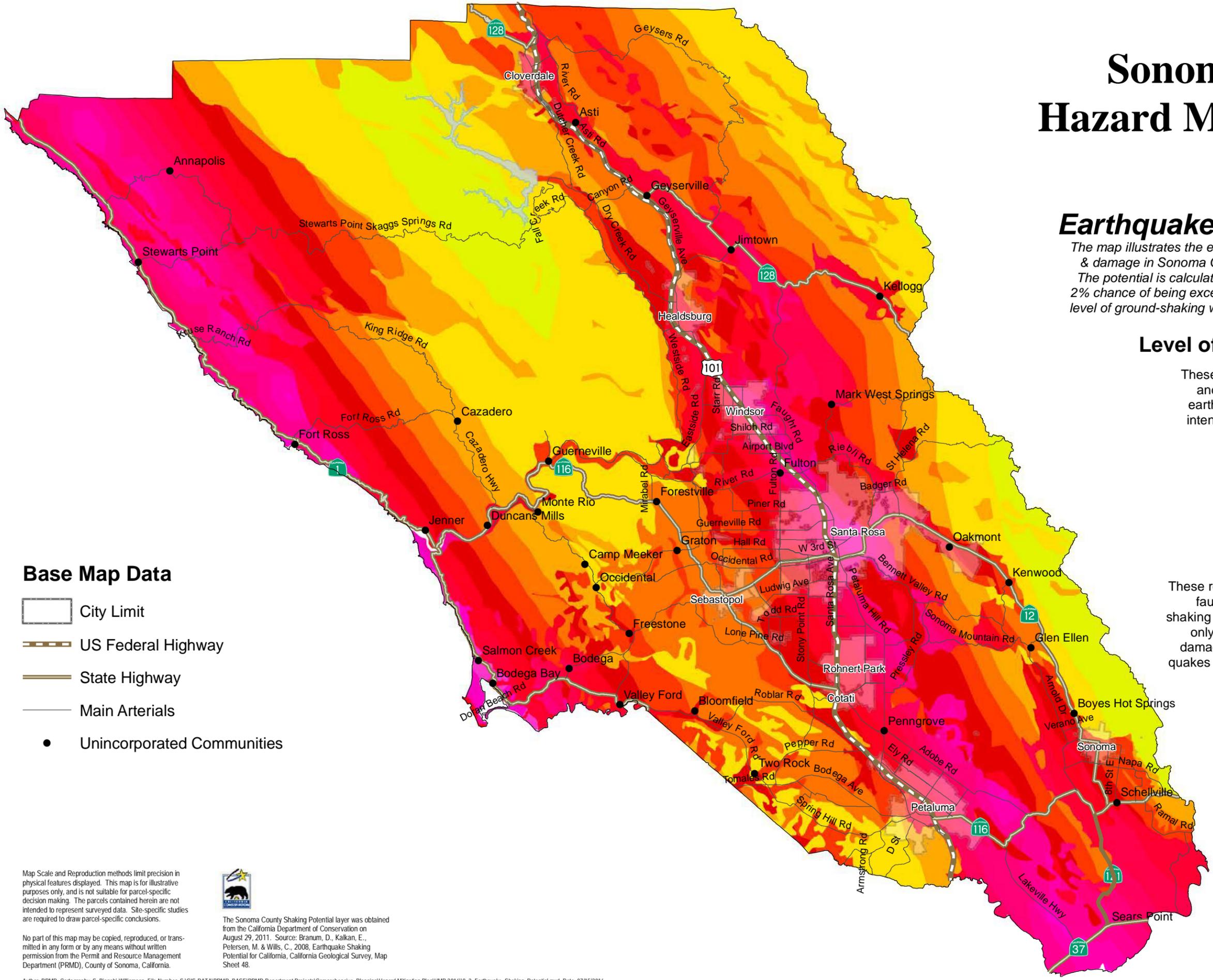
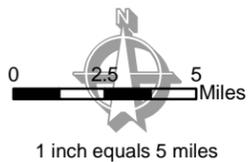
## Earthquake Shaking Potential

The map illustrates the expected relative intensity of ground shaking & damage in Sonoma County from anticipated future earthquakes. The potential is calculated as the level of ground motion that has a 2% chance of being exceeded in 50 years, which is the same as the level of ground-shaking with about a 2500 year average repeat time.

### Level of Earthquake Hazard Data

These regions are near major, active faults and will on average experience stronger earthquake shaking more frequently. This intense shaking can damage even strong, modern buildings.

These regions are distant from known, active faults and will experience lower levels of shaking less frequently. In most earthquakes, only weaker, masonry buildings would be damaged. However, very infrequent earthquakes could still cause strong shaking here.



### Base Map Data

- City Limit
- US Federal Highway
- State Highway
- Main Arterials
- Unincorporated Communities

Map Scale and Reproduction methods limit precision in physical features displayed. This map is for illustrative purposes only, and is not suitable for parcel-specific decision making. The parcels contained herein are not intended to represent surveyed data. Site-specific studies are required to draw parcel-specific conclusions.



The Sonoma County Shaking Potential layer was obtained from the California Department of Conservation on August 29, 2011. Source: Branum, D., Kalkan, E., Petersen, M. & Wills, C., 2008, Earthquake Shaking Potential for California, California Geological Survey, Map Sheet 48.

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